

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:	10	72	22.	903	
Source:		'	FW	1.0	
Date Processed by STIC:		8	19	104	() · · · · · · · · · · · · · · · · · · ·
		-7		<i> </i>	

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY $_{0r}$,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses.

- 1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>, EFS Submission User Manual cPAVE)
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
- 3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04): U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA_22202

Revised 05/17/04

ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER: 10722703
ATTN: NEW RULES CASES	: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE
1Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was refrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4 Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
SVariable Length	Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6Patentin 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS. (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped
	Please also adjust the "(ii) NUMBER OF SEQUENCES " response to include the skipped sequences
8Skipped Sequences (NEW RULES)	Sequence(s) missing If intentional, please insert the following lines for each skipped sequence <210> sequence id number <400> sequence id number 000
9Usc of n's or Xaa's (NEW (ULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents
10Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220> <223> section is required when <213> response is Unknown or is Artificial Sequence.
11Usc of <220>	Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of.<220> to <223> is MANDATORY if.<213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
	(See "Federal Register," 0001/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
Patentin 2.0 "bug"	Please do not use "Copy to Disk" function of Patentin version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFWO

RAW SEQUENCE LISTING

DATE: 08/19/2004

PATENT APPLICATION: US/10/722,903

TIME: 10:59:18

Input Set : A:\GTC-53 Sequence Listing.txt Output Set: N:\CRF4\08192004\J722903.raw

```
3 <110> APPLICANT: GTC Biotherapeutics, Inc.
 5 <120> TITLE OF INVENTION: Modified Antibodies Stably Produced in Milk and Methods of
        Producing Same
8 <130> FILE REFERENCE: GTC-53
10 <140> CURRENT APPLICATION NUMBER: 10/722,903
11 <141> CURRENT FILING DATE: 2003-11-26
                                                       Does Not Comply
13 <150> PRIOR APPLICATION NUMBER: US 60/429,606
                                                       Corrected Diskette Needed
14 <151> PRIOR FILING DATE: 2002-11-27
16 <160> NUMBER OF SEQ ID NOS: 11
                                                                  09.2-4
18 <170> SOFTWARE: PatentIn version 3.2
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 2028
22 <212> TYPE: DNA
23 <213> ORGANISM: Homo sapiens
26 <220> FEATURE:
27 <221> NAME/KEY: misc_feature
28 <223> OTHER INFORMATION: Human Ig germline H-chain G-E-A region B: gamma-4 constant
         region, 3' end
29
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                                                                         120
34 gcaggtggcg ccagccaggt gcacacccaa tgcccatgag cccagacact ggaccctgca
36 tggaccatcg cggatagaca agaaccgagg ggcctctgcg ccctgggccc agctctgtcc
                                                                         180
38 cacacegegg teacatggea ecacetetet tgeagettee aceaagggee cateegtett
                                                                         240
40 cccctggcg ccctgctcca ggagcacctc cgagagcaca gccgccctgg gctgcctggt
                                                                         300
42 caaggactac ttccccgaac cggtgacggt gtcgtggaac tcaggcgccc tgaccagcgg
                                                                         360
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44 cgtgcacacc ttcccggctg tcctacagtc ctcaggactc tactccctca gcagcgtggt
46 gaccgtgccc tccagcagct tgggcacgaa gacctacacc tgcaacgtag atcacaagcc
                                                                         480
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48 caqcaacacc aaggtggaca agagagttgg tgagaggcca gcacagggag ggagggtgtc
                                                                         600
50 tgctggaage caggeteage ectectgeet ggaegeacee eggetgtgea geeceageee
                                                                         660
52 agggcagcaa ggcatgcccc atctgtctcc tcacccggag gcctctgacc acccactca
54 tgctcaggga gagggtcttc tggatttttc caccaggctc ccggcaccac aggctggatg
                                                                         720
                                                                         780
56 cccctacccc appecetocy catacaggge aggtgetgeg etcagacetg ccaagageca
                                                                         840
58 tatccgggag gaccctgccc ctgacctaag cccaccccaa aggccaaact ctccactccc
                                                                         900
60 tcagctcaga caccttctct cctcccagat ctgagtaact cccaatcttc tctctgcaga
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62 gtccaaatat ggtcccccat gcccatcatg cccaggtaag ccaacccagg cctcgccctc
64 cageteaagg egggaeaggt geeetagagt ageetgeate eagggaeagg eeceageegg
                                                                        1020
66 gtgctgacgc atccacctcc atctcttcct cagcacctga gttcctgggg ggaccatcag
                                                                        1080
68 tcttcctgtt ccccccaaaa cccaaggaca ctctcatgat ctcccggacc cctgaggtca
                                                                        1140
                                                                        1200
70 cqtqcqtgqt ggtggacgtg agccaggaag accccgaggt ccagttcaac tggtacgtgg
72 atggcgtgga ggtgcataat gccaagacaa agccgcggga ggagcagttc aacagcacgt
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74 accettgtgt cagcetcctc accettctgc accaggactg gctgaacggc aaggagtaca
                                                                        1320
76 agtgcaaggt ctccaacaaa ggcctcccgt cctccatcga gaaaaccatc tccaaagcca
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78 aaggtgggac ccacggggtg cgagggccac acggacagag gccagctcgg cccaccctct

1440

RAW SEQUENCE LISTING DATE: 08/19/2004
PATENT APPLICATION: US/10/722,903 TIME: 10:59:18

Input Set : A:\GTC-53_Sequence Listing.txt
Output Set: N:\CRF4\08192004\J722903.raw

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     82 gtgtacaccc tgcccccatc ccaggaggag atgaccaaga accaggtcag cctgacctgc
                                                                                            1560
     84 ctqqtcaaaq qettctaccc cagcgacatc gccgtggagt gggagagcaa tgggcagccg
                                                                                            1620
                                                                                            1680
     86 qaqaacaact acaaqaccac gcctcccgtg ctggactccg acggctcctt cttcctctac
                                                                                            1740
     88 agcaggetaa cegtggacaa gagcaggtgg caggagggga atgtettete atgeteegtg
     90 atgcatgagg ctctgcacaa ccactacaca cagaagagcc tctccctgtc tctgggtaaa
                                                                                            1800
     92 tgagtgccag ggccggcaag cccccgctcc ccgggctctc ggggtcgcgc gaggatgctt
                                                                                            1860
                                                                                            1920
     94 ggcacgtacc ccgtctacat acttcccagg cacccagcat ggaaataaag cacccaccac
     96 tgccctgggc ccctgtgaga ctgtgatggt tctttccacg ggtcaggccg agtctgaggc
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129 Glu Ser Lys Tyr Gly Pro Pro Cys Pro Ser Cys Pro
130 1 5
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134 <211 > LENGTH: 33
135 <212 > TYPE: DNA
136 <213 > ORGANISM: Oligonucleotide
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140 <221 > NAME/KEY: misc feature
141 <223 > OTHER INFORMATION:
143 <400 > SEOTT
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                                                  Acid section (2207 L2307)

Acid section (2207 L2307)

Thu Alid Response 33 A PIC

O Amino Acid
     143 <400> SEQUENCE: 4
     144 ggtcccccat gtcctccctg cccaggtaag cca
                                                                                                   See item
#10 on
error
     147 <210> SEQ ID NO: 5
     148 <211> LENGTH: 11
     149 <212> TYPE: PRT
     150 <213> ORGANISM: oligonucleotide
     153 <220> FEATURE:
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Responses has to be
either artificial/Unknown
either artificial/Unknown
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     155 <223> OTHER INFORMATION: S241P Oligo Amino Acid
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Input Set : A:\GTC-53 Sequence Listing.txt Output Set: N:\CRF4\08192004\J722903.raw

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RAW SEQUENCE LISTING

DATE: 08/19/2004

PATENT APPLICATION: US/10/722,903

TIME: 10:59:18

same error

Input Set : A:\GTC-53_Sequence Listing.txt Output Set: N:\CRF4\08192004\J722903.raw

241 <210> SEQ ID NO: 11

242 <211> LENGTH: 11

243 <212> TYPE: PRT

244 <213> ORGANISM oligonucleotide

247 <220> FEATURE:

248 <221> NAME/KEY: misc_feature

249 <223> OTHER INFORMATION: Oligo 2014 Amino Acid

251 <400> SEQUENCE: 11

253 Glu Glu Gln Phe Gln Ser Thr Tyr Arg Val Val

254 1

VERIFICATION SUMMARY

DATE: 08/19/2004

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Input Set : A:\GTC-53_Sequence Listing.txt Output Set: N:\CRF4\08192004\J722903.raw